

Postdoctoral Research Associate
Absolute Neutron Flux Measurement for the Neutron Lifetime
OAA # 21409-28

The Department of Physics at Indiana University in Bloomington invites applications for a Postdoctoral Fellow to work primarily on the development of absolute neutron flux measurement. The primary scientific application is to improve the precision of the NIST Penning trap neutron lifetime experiment. The neutron lifetime is an important parameter in Big Bang nucleosynthesis and in weak interaction theory, and its value is now in question due to recent discrepant experimental results. The responsibility of our group is to collaborate with NIST to improve the precision of an absolute neutron flux measurement for this experiment method using an alpha-gamma coincidence technique. The candidate will be based primarily at NIST/Gaithersburg. Initial appointments as a postdoctoral research associate will be for one year, with possible renewal for up to one additional year. A Ph.D. in experimental nuclear/particle physics is required. We will review all applications and will continue to review until the position is filled. Applications received by April 15th, 2015 will receive full consideration. Interested candidates should review the application requirements and submit their application at: <https://indiana.peopleadmin.com/postings/1180>. Questions regarding the position can be sent to: Prof. Mike Snow (wsnow@indiana.edu) for additional information regarding the application process or where to send hard copies contact:

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